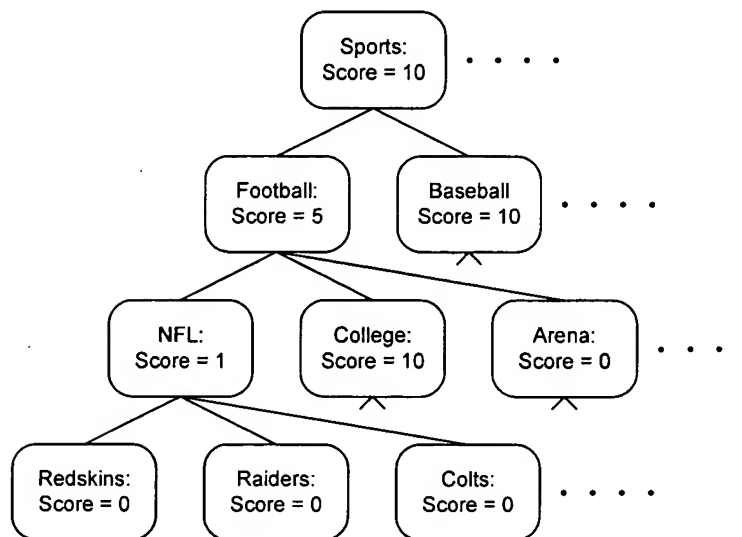


<b>Pr file ID</b>	Profile 1
<b>Profile name</b>	Sports Fan
<b>Profile description</b>	Locates programs about my favorite teams
<b>Profile priority</b>	1
<b>Profile active</b>	Yes
<b>Auto-record</b>	On
<b>Alerts</b>	On
<b>Alerts per hour</b>	3
<b>Alerts minutes in advance</b>	2
<b>Profile activation time</b>	18:00:00 - 23:0:00
<b>Category scores</b>	Sports,10 Football,5; Baseball,10;... NFL,1; College Football,10; Arena, 0;... Redskins,0; Raiders,0; Colts,0;...
<b>Keywords:</b>	highlights

**Figure 1**



**Figure 2**

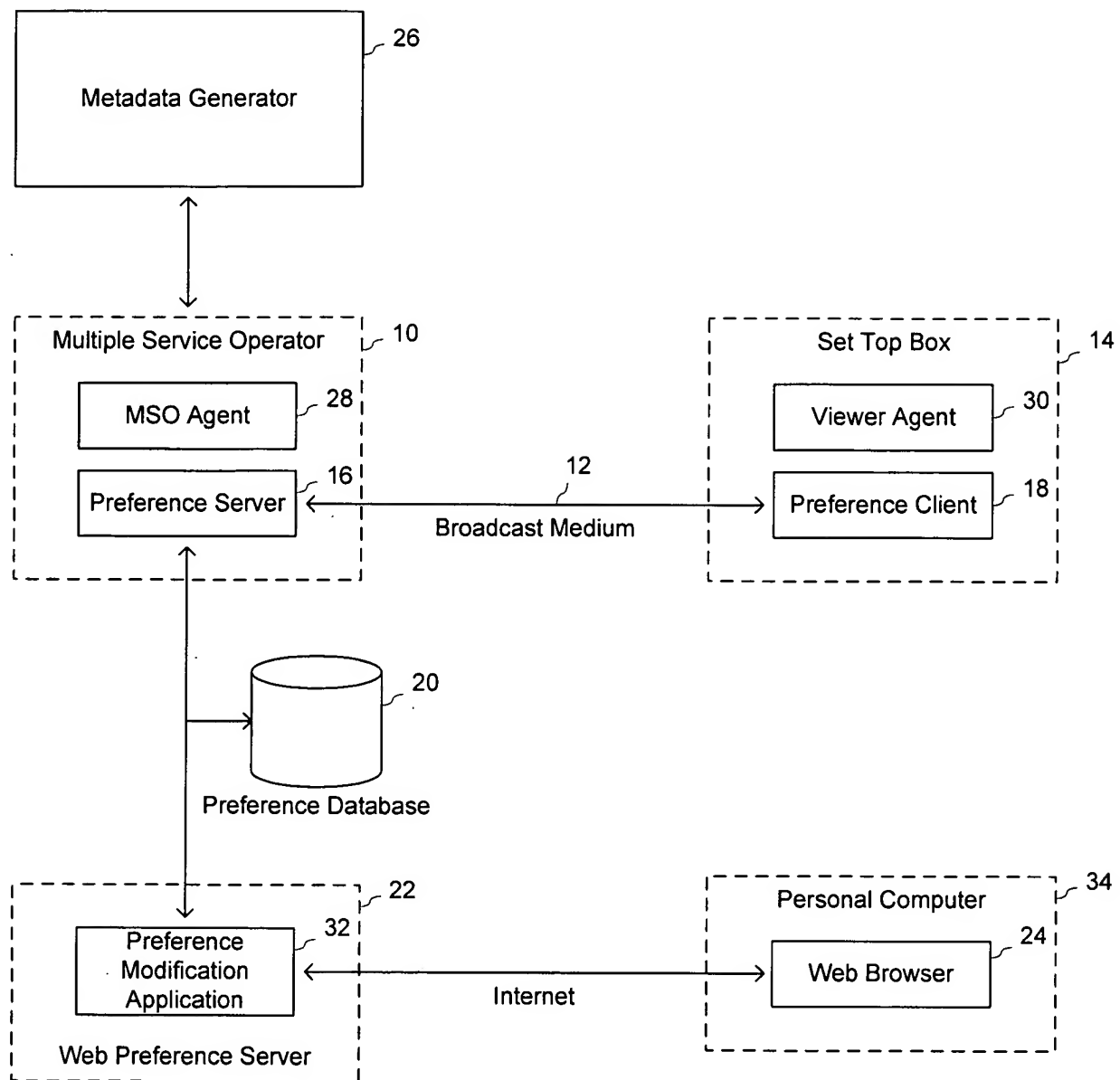
<b>Program identifier:</b>	762645819.0405		
<b>Program title:</b>	Sports Central		
<b>Program description:</b>	The day's leading sports news and highlights		
<b>Channel:</b>	Sports Network		
<b>Date:</b>	12/10/2003		
<b>Time:</b>	8:00 pm		
<b>Duration:</b>	60 min		
<b>Rating:</b>	General		
<b>Language:</b>	English		
<b>Alternate language:</b>	Spanish		
<b>Closed caption:</b>	Yes		
<b>Audio type:</b>	Stereo		
<b>Categories:</b>	Sports,10 Football, 8; Baseball,10; Basketball,10; Hockey,10;... NFL, 9; College football,7; NBA,9; College basketball,10;... Raiders,10;		
<b>Keywords:</b>	Trade; free agent; championship;...		
<b>Actors:</b>			
<b>Director:</b>			

Program metadata

<b>Program identifier:</b>	762645819.0405		
<b>Program title:</b>	Sports Central		
<b>Segment identifier:</b>	762645819.0405.0004		
<b>Segment title:</b>	Baseball		
<b>Segment description:</b>	Baseball trades and signings		
<b>Channel:</b>	Sports Network		
<b>Date:</b>	12/10/2003		
<b>Time:</b>	8:22 pm		
<b>Duration:</b>	4 min		
<b>Rating:</b>	General		
<b>Language:</b>	English		
<b>Alternate language:</b>	Spanish		
<b>Closed caption:</b>	Yes		
<b>Audio type:</b>	Stereo		
<b>Categories:</b>	Sports,10 Baseball,10 Professional baseball, 10 Yankees,10; Red Sox,9; ...		
<b>Keywords:</b>	Free agent; pitcher; ...		
<b>Actors:</b>			
<b>Director:</b>			

Segment metadata

Figure 3



**Figure 4**

### **MSO Agent**

- Receive program and segment metadata
- Distribute metadata to STBs

### **Viewer Agent**

- Input viewer preferences
- Receive program and segment metadata
- Identify programs and segments of interest
- Generate alerts
- Schedule recordings

### **Preference Server**

- Receive preferences from STB
- Receive updated preferences from web server
- Update preferences in accordance with changes in category hierarchy
- Send updated preferences to STBs

### **Preference Client**

- Send preferences to server
- Obtain preferences from server in the event of first launch/reboot
- Check for and obtain updated preferences from server

**Figure 5**

### **MSO Agent**

- Receive program and segment metadata
- Identify programs and segments of interest
- Generate alerts
- Schedule recordings

### **Viewer Agent**

- Input viewer preferences
- Receive alerts
- Receive recording instructions

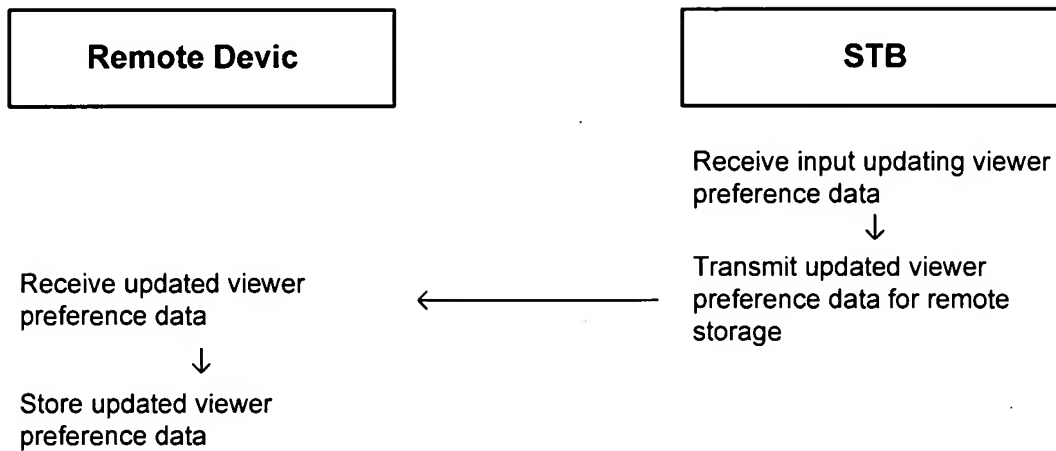
### **Preference Server**

- Receive preferences from STB
- Receive updated preferences from web server
- Update preferences in accordance with changes in category hierarchy
- Send updated preferences to STBs

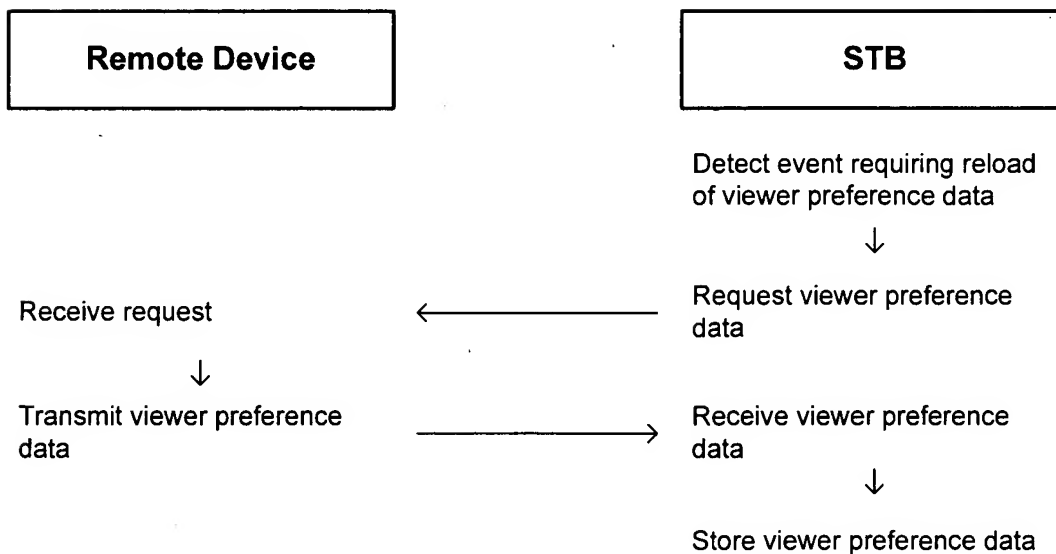
### **Preference Client**

- Send preferences to server
- Obtain preferences from server in the event of first launch/reboot
- Check for and obtain updated preferences from server

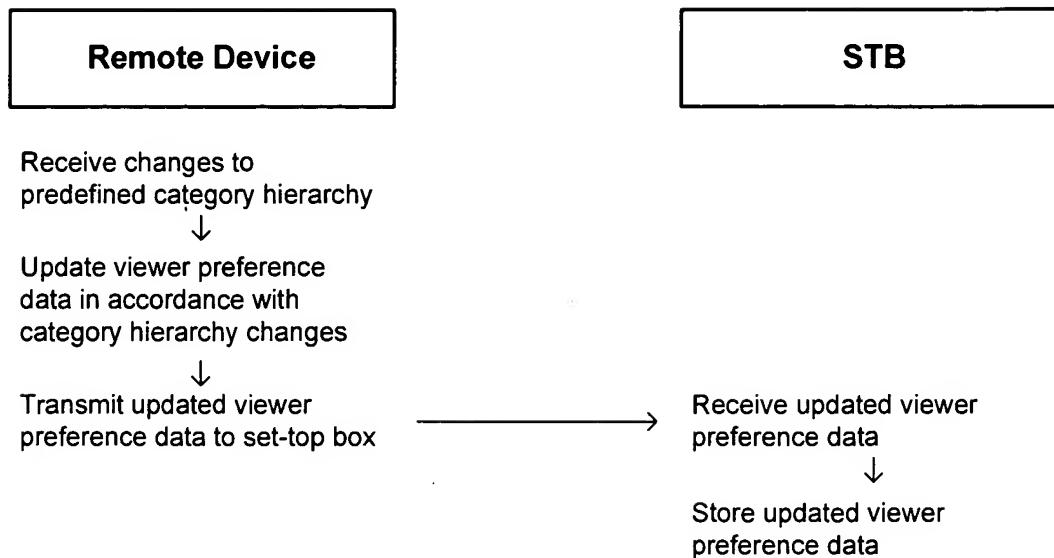
**Figure 6**



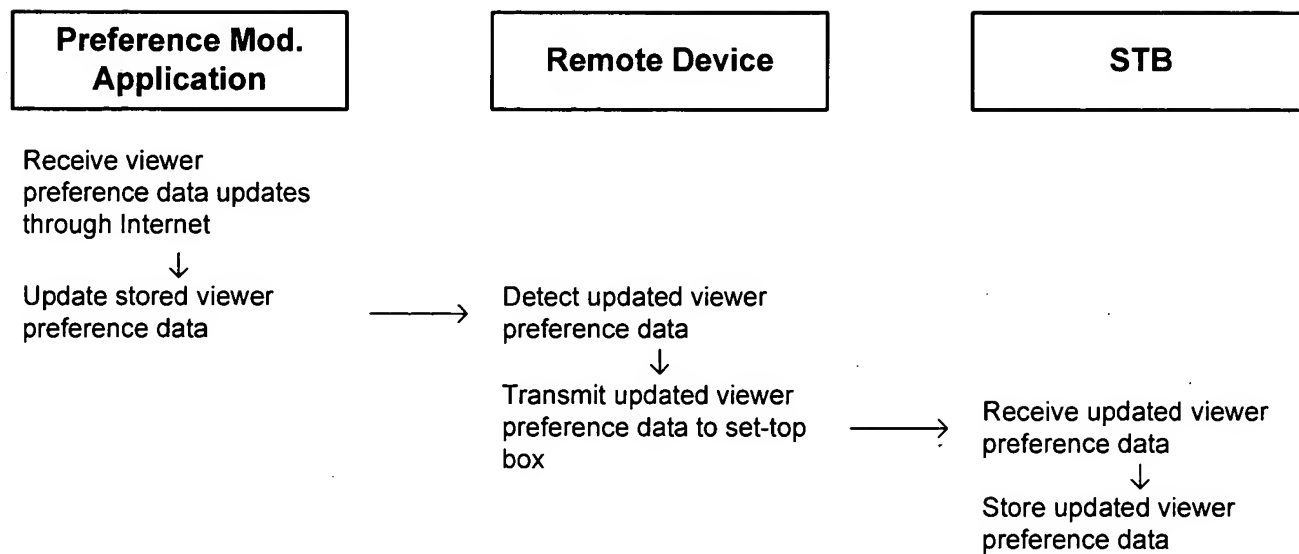
**Figure 7**



**Figure 8**



**Figure 9**



**Figure 10**